

**AMENDMENT NO. 1 OCTOBER 2014**  
**TO**  
**IS 807 : 2006 DESIGN, ERECTION AND TESTING**  
**(STRUCTURAL PORTION) OF CRANES AND HOISTS —**  
**CODE OF PRACTICE**

*(Second Revision)*

(Page 13, clause **8.4.1**) — Substitute the following for the existing clause:

**‘8.4.1** *Cranes Working Without Wind*

The following shall be taken into consideration. The static loads due to the dead weight, the loads due to working load multiplied by dynamic coefficient and the two most unfavorable horizontal effects, excluding buffer forces. All these loads must then be multiplied by the amplifying coefficient.’

(Page 26, clause **13.1**) — Substitute

$$‘\sigma_t = \frac{M}{I} \cdot \frac{A}{A_n} \cdot e \leq \sigma_{ta}’$$

*for*

$$‘\sigma_t = \frac{M}{I} \cdot \frac{A}{A_n} \leq \sigma_{ta}’$$

(Page 42, clause **20**, para 2) — Substitute the following for the existing paragraph:

‘The maximum vertical deflection of the girder produced by the weight of the trolley and the rated load (excluding impact factor) shall not exceed 1/900 of the span of the crane.’

(Page 42, clause **23**) — Substitute the following for the existing clause:

**‘23 GIRDER END CONNECTION**

A substantial end tie must be provided to give horizontal fixed end for rigidity to girder. The girders square with the truck may be provided by the large gusset plate welded to the bottom of the truck and attached to the girders with tolerance-body bolts in reamed holes.’

## Amendment No. 1 to IS 807 : 2006

[Page 42, clause **24.1** (a) and (b)] — Substitute the following for the existing:

- ‘a) For cranes up to and including 21 m span not less than one-sixth of the span;  
and
- b) For cranes over 21 m span and up to 24.5 m, not less than 3.5 m.’

[Page 44, clause **25.3** (a)] — Substitute the following for the existing:

‘a) Compression stress is 1 235 kg/cm<sup>2</sup> maximum when the ratio of  $b/c$ , is equal to or less than 38.’

(Page 44, Table 30, Title) — Substitute ‘Values of Compression Stress’ for ‘Values of Compression Shear Stress’.